REMARKS/ARGUMENT

The applicants' attorneys appreciate the Examiner's thorough search and remarks.

Responsive to the objection set forth in paragraph 1 of the Office Action, Fig. 5 and the specification have been corrected to properly identify the parts associated with reference numerals 36 and 37. Withdrawal of the objection is requested.

Responsive to the objection set forth in paragraph 2 of the Office Action, the title of the application has been changed to "Digital Camera Having a Feature for Warning a User of Insufficient Memory". It is believed that this title sufficiently describes the content of the application. Withdrawal of the objection is requested.

Claims 12-18, 20 and 22-23 are in the application. Claims 19 and 21 have been cancelled without prejudice.

Claim 14 has been rejected under 35 U.S.C. §103(a) over Fujimori, U.S. Patent No. 5,027,214 in view of Okauchi, U.S. Patent No. 5,907,353. A panoramic image is formed by the assembly of a set of associated images which together form a whole image. Even if one image in the set that forms the panoramic image is omitted, it becomes impossible to form the panoramic image. That is, the objective of taking a panoramic image fails even if one image in the set is omitted. Thus, the problem of predicting whether there is enough memory to take another image in a panoramic mode is different from the usual problem of determining whether another image can be stored.

The object of the invention set forth in claim 14 is to prevent the omission of an image in a set of images that forms a panoramic image by warning a user of insufficient memory for capturing all of the images necessary to form a panoramic image. Fujimori does not recognize the problem of omitting an image from a set that forms a panoramic image. Indeed, Fujimori neither describes nor suggests recording a panoramic image. Thus, Fujimori does not include any teaching or suggestion directing one skilled in the art to achieve the objective set forth in claim 14. In addition, the object of the system shown by Okauchi is to obtain a high quality image by photographing a plurality of images instead of a single image. Okauchi neither teaches nor suggests a way to cope with insufficient memory for storage of an image. Thus, one skilled in the art would not be directed to combine Fujimori and Okauchi to obtain the invention that is claimed by claim 14 in that neither reference shows or suggests a way to achieve the objective of the invention of claim 14; namely, warning a user of insufficient memory for

recording image information for an image belonging to a set of images that forms a panoramic image.

Also, claim 14 provides for a digital camera that can record a panoramic image that is comprised of a plurality of associated panoramic image frames and a "predicted number setting means for allowing a user to preset a number of panoramic image frames for forming a panoramic image." Neither Fujimori nor Okauchi shows or suggests a feature for presetting the number of image frames for a panoramic image. Indeed, it has been admitted in the Office Action that Fujimori does not show a camera capable of panoramic imaging. See Office Action page 5, line 16. It has been set forth that Okauchi shows a system which sets the number of images to be taken based on the size of the object and, therefore, suggests a predicted number setting means. Okauchi, however, shows a system which proposes to improve the resolution of an image taken of a large object by: automatically breaking the image into several frames, taking images of each frame, and reconstituting them into a single image. In the system shown by Okauchi, the number of frames are not preset before the image is taken. Rather, they are determined automatically by the system to achieve a desired resolution. This is unlike the feature claimed in claim 14. Reconsideration is requested.

Furthermore, claim 14 provides for a warning means that warns the photographer if the recording medium has insufficient memory for the number of image frames preset by the photographer for a panoramic image. It has been admitted in the Office action that neither Fujimori nor Okauchi shows or suggests such a feature. However, it has been set forth that such a feature is deemed obvious to a person of ordinary skill in the art. It is respectfully submitted that claim 14 should be read as a whole rather than being examined piece by piece. Read as a whole, claim 14 provides for an electronic photographing device that includes a feature which allows for the presetting of the number of image frames in a panoramic image, and a feature that warns the user when the image recording capacity of the electronic photography device does not have enough capacity for the preset number of image frames. The combination of a feature for presetting of the number of images in a panoramic image and a warning feature as set out in claim 14 ensures that panoramic photography can be conducted with a reduced risk of obtaining a faulty image. Claim 14, when read as a whole, as it should be, is not shown or suggested by Fujimori, Okauchi or any combination of these references. Reconsideration is requested.

Claims 15, 18, 20, 25 and 27 have been rejected under 35 U.S.C. §103(a) over Fujimori in view of Moghadam, et al., U.S. Patent No. 5,682,197. It has been admitted that Fujimori does not disclose a camera having a panoramic mode.

Regarding claim 15, it has been set forth that because Moghadam et al. show a camera with a panoramic mode and Fujimori shows a camera which warns the user of an insufficient memory, it would have been obvious to one skilled in the art to modify the camera of Fujimori to include a panoramic mode having a feature that warns the user of insufficient memory. Claim 15 includes, in combination with other limitations, a warning generator that warns the user when there is insufficient storage to record a predetermined number of image frames for a given panoramic image. As explained above such as feature uniquely reduces or prevents faulty photography by warning the user of insufficient memory and is not shown or suggested by the art of record.

In addition, to establish obviousness, a suggestion or motivation must be established by reference to the prior art that would lead one skilled in the art to modify a reference or combine the teaching of two or more references to achieve the subject matter of a claim. Claim 15 provides for a feature in a digital camera that warns the user when the recording medium has insufficient capacity to accept another image frame in a plurality of related image frames that form a panoramic image. This feature, as explained in the specification, facilitates panoramic photography by giving the user advanced warning of the need for another recording medium. Neither one of the cited references recognizes the problem of insufficient memory in panoramic photography and the solution to the problem which is the subject of claim 15. Fujimori only addresses conventional electronic photography, and Moghadam et al. are silent on the issue of insufficient memory in panoramic photography. It is respectfully submitted that neither one of the cited references provides a specific suggestion or motivation for combining the subject matter of Fujimori with that of Moghadam et al. to achieve the subject matter of claim 15. Thus, both references fail to show or suggest the subject matter of claim 15 having the objective of warning a user of insufficient memory to record another image in a set of images for a panoramic image to obtain the results of the invention claimed in claim 15. Reconsideration is requested.

Claims 16 and 17 depend from claim 15, and, therefore, include its limitations. These claims include other limitations, which in combination with those of claim 15 are not shown or suggested by the art of record. Reconsideration is requested.

Regarding the rejection of claims 18 and 20, it should be noted that Fujimori does not show or suggest a digital camera with a panoramic feature. In addition, claims 18 and 20 provide for a digital camera that includes "a photography information storage element for storing information related to photographing conditions of the first panoramic image frame of the set of panoramic image frames; and a control element for photographing the subsequent panoramic image frame according to the stored information relating to photographing conditions of the first photographed panoramic image." Claim 18 provides that a photographing condition may be one of "exposure information, AF information and white balance information." Claim 20 provides that photographing conditions may be one of "photometric information, white balance information, a focusing setting, exposure information, and rotation direction". As set forth in the specification, a digital camera having the combination of limitations set forth in claims 18 and 20 take image frames in a panoramic image according to the photographic conditions of the first image frame in order to improve the consistency of the image frame and thus the quality of the panoramic image. It has been set forth that Fujimori does not show the latter features for a panoramic camera but that Moghadam et al. show a digital camera that saves "photographing information" (not photographing conditions), i.e., indicia 22 and 24 used for alignment of the image frames, which can be used to align the image features in a panoramic image. Claims 18 and 20 call for information relating to photographing conditions. The indicia 22, 24 shown by Moghadam et al. do not constitute information relating to the conditions of photography as set forth in claims 18 and 20. In addition, Moghadam et al. do not teach or suggest using the information relating to conditions of photography in photographing the subsequent image frame in a sequence of image frames as called for in the claims. The indicia 22, 24 are markings in the view finder of the camera, col. 2, lines 62-63, which when recorded merely serve to align the image frames of a panoramic image. The indicia 22, 24 do not relate to the photography conditions and are not in fact used in the photography procedure itself. Reconsideration is requested.

Claims 12-13, and 22-24 depend from claim 20, and, therefore, include its limitations. These claims include other limitations, which in combination with those of their

respective base claims are not shown or suggested by the art of record. Reconsideration is requested.

Claims 25 and 27 provide that "the image information recorded on the first recording medium and the image information on the second recording medium will include at least one piece of identification information representing the set of panoramic images." Referring to the grounds for the rejection of claims 25 and 27, it is respectfully submitted that Fujimori does not show or suggest panoramic photography. Moreover, Moghadam et al. only show identifying information for identifying the order number of each image frame in a given panoramic image. If, for example, images in a panoramic are recorded in a plurality of different recording media, it will not be possible to identify each image frame with its respective panoramic image. On the other hand, claims 25 and 27 provide that the image information on the first and the second medium will include "at least one piece of identification information representing the set of panoramic images." This makes it possible to easily identify image frames of a given panoramic image even if they are recorded on different recording media. As can be appreciated such as feature alleviates the problems that may be associated with insufficient memory during panoramic photography in that image frames can be recorded on other recording media when one is out of capacity without concern for losing the order of the image frame for a given panoramic image. Moghadam et al. and Fujimori fail to show such as feature and, therefore, do not make the subject matter of claims 25 and 27 obvious. Reconsideration is requested.

Claim 26 depends from claim 25, and, therefore, includes its limitations. Claim 28 depends from claim 27, and, therefore, includes its limitations. These claims include other limitations which in combination with those of their respective base claims are not shown or suggested by the art of record. Reconsideration is requested.

With these amendments the application is believed to be in condition for allowance. Such action is earnestly solicited.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Asst. Commissioner for Patents, Washington, D.C. 20231, on June 26, 2002:

Kourosh Salehi

Name of applicant, assignee or Registered Representative

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Signature

June 26, 2002

Date of Signature

KS:gl

Respectfully submitted,

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APPENDIX A

"CLEAN" VERSION OF EACH PARAGRAPH/SECTION/CLAIM
37 C.F.R. § 1.121(b)(ii) AND (c)(i)

SPECIFICATION:

Replacement for the title on page 1, line 1:

DIGITAL CAMERA HAVING A FEATURE FOR WARNING A USER OF INSUFFICIENT MEMORY

Replacement for the paragraph at page 16, line 19:

A calendar signal generation means (CSGM) 36 is connected to the CPU 39 to generate a calendar signal on the basis of a date input by a camera operator, a photographing date data recorded on the recording medium 33, or the present date generated by a timer incorporated in the CPU 39. This calendar signal may be incorporated in the CPU 39.

Replacement for the paragraph beginning at page 16, line 25 to page 17, line 4:

The character signal generation circuit (CSGC) 37 is connected to the CPU 39 to generate a character signal consisting of fonts such as letters and numbers which are required for display formats such as a calendar. The character signal may be incorporated in the CPU 39.

CLAIMS (with indication of amended or new):

13. (Twice Amended) An electronic photographing device according to claim 23, wherein the identification information is one of a file name shared by all of the images in the set of panoramic image frames or a panorama number representing a photographing order of the panoramic image frames in the set of panoramic image frames.

14. (Amended) An electronic photographing device, comprising:

a digital camera having a panoramic mode in which a panoramic image can be recorded, wherein the panoramic image includes a number of associated panoramic image frames that together form the panoramic image;

a detachable recording medium for recording image information corresponding to each panoramic image frame in a panoramic image;

predicted number setting means for allowing a user to preset a number of panoramic image frames for forming a panoramic image;

available recording medium determining means for determining a number of panoramic image frames which can be recorded on the detachable recording medium based on an unexposed capacity of the recording medium;

comparison means for comparing the number of panoramic image frames which can be recorded as determined by the available recording medium determining means with the number of panoramic image frames preset by the predicted number setting means; and

warning means for generating a warning that a spare recording medium is required to complete recording the number of panoramic image frames, if as a result of comparison by the comparison means, the number of panoramic image frames which can be recorded as determined by the available recording medium determining means is smaller than the number of panoramic image frames preset by the predicted number setting means.

15. (Amended) An electronic photographing device, comprising:

a digital camera having a panoramic mode in which a panoramic image can be recorded, wherein the panoramic image includes a number of associated panoramic image frames that together form the panoramic image, the digital camera being usable in combination with a detachable recording medium for recording image information corresponding to each panoramic image frame in a panoramic image, the digital camera further including:

a calculation element for calculating a remaining number of panoramic image frames which can be recorded on the recording medium based on an entire capacity of the recording medium and a capacity which has previously been used to obtain a remaining capacity of said recording medium; and

a warning generator for generating a warning when the remaining number of panoramic image frames which can be recorded is not more than a predetermined value.

17. (Amended) An electronic photographing device according to claim 16, wherein the warning indicates that a spare recording medium must be inserted when the remaining number of panoramic image frames which can be recorded is zero.

18. (Amended) An electronic photographing device, comprising:

a digital camera having a panoramic mode in which a panoramic image can be recorded, wherein the panoramic image includes a number of associated panoramic image frames that together form the panoramic image, the digital camera being usable in combination with:

a first detachable recording medium for recording image information corresponding to a first panoramic image frame of a set of panoramic image frames photographed in the panoramic mode, and

a second detachable recording medium for recording image information corresponding to a subsequent panoramic image frame in the set of panoramic image frames photographed in the panoramic mode when a capacity of the first recording medium is insufficient to record all of the images of the set of panoramic image frames,

the digital camera including:

a photographing information storage element for storing information relating to photographing conditions of the first panoramic image frame of the set of panoramic image frames; and

a control element for photographing the subsequent panoramic image frame according to the stored information relating to photographing conditions of the first photographed panoramic image; wherein the photographing conditions include at least one of exposure information, AF information and white balance information.

20. (Amended) An electronic photographing device, comprising:

a panoramic photographing apparatus which records panoramic images each composed of a plurality of associated panoramic image frames and image information corresponding to at least a first panoramic image frame of a set of panoramic image frames photographed by panoramic photographing onto a recording medium, and which records image information corresponding to a subsequent panoramic image frame of the set onto the recording medium; wherein the panoramic photographing apparatus includes:

a photographing information storage element for storing photographing conditions of the first panoramic image frame of the set of panoramic image frames; and

a control element for photographing the subsequent panoramic image frame according to the stored photographing conditions of the first panoramic image frame;

wherein the photographing conditions include at least one of photometric information, white balance information, a focusing setting, exposure information, and a rotation direction.

22. (Amended) An electronic photographing device according to claim 20, wherein the panoramic photographing apparatus further comprises:

a calculation element for calculating a remaining number of panoramic image frames which can be recorded on the recording medium based on an entire capacity of said first recording medium and a capacity which has been used to obtain a remaining capacity of said recording medium; and

a warning generator for generating a warning when the remaining number of panoramic image frames which can be recorded on the recording medium is less than a predetermined number.

23. (Amended) An electronic photographing device according to claim 22, wherein the panoramic photographing apparatus further comprises:

a predicted number setting element for setting a predicted number of panoramic image frames to be photographed for a panoramic image; and

a comparing element for determining whether the recording medium is sufficient to photograph all of the predicted panoramic image frames by comparing the predicted number with the remaining number calculated by the calculation element,

wherein the predetermined number is the predicted number and the warning indicates that a second recording medium is required to finish photographing all of the panoramic image frames of the panoramic image.

24. (Amended) An electronic photographing device according to claim 23, wherein the panoramic photographing apparatus further includes means for checking whether a

second recording medium has replaced the first recording medium prior to photographing a subsequent image according to the stored photographing conditions of the first panoramic image frame.

25. (Amended) An electronic photographing device comprising:

a panoramic photographing apparatus which records panoramic images each composed of a plurality of associated panoramic image frames and image information corresponding to at least a first panoramic image frame of a set of panoramic image frames photographed by panoramic photographing onto a first recording medium, and which records image information corresponding to a subsequent panoramic image frame of the set onto a second recording medium when the capacity of the first recording medium is insufficient to record the entire set of panoramic image frames, the first and second recording mediums being interchangeably attachable to the panoramic photographing apparatus; wherein the image information recorded on the first recording medium and the image information recorded on the second recording medium will include at least one piece of identification information representing the set of panoramic images.

26. (Amended) An electronic photographing device according to claim 25, wherein the identification information is one of a file name shared by all of the panoramic image frames of the set of panoramic image frames or a panorama number representing a photographing order in the set of panoramic image frames.

27. (Amended) An apparatus for recording panoramic images each panoramic image being composed of a plurality of associated panoramic image frames, comprising:

a first recording medium having recorded thereon image information corresponding to at least a first panoramic image frame of a panoramic image; and

a second recording medium having recorded thereon image information corresponding to a subsequent panoramic image frame of the panoramic image when a capacity of the first recording medium is insufficient to record all of the panoramic image frames in the panoramic image;

wherein the image information recorded on the first recording medium and the image information recorded on the second recording medium will include at least one piece of identification information representing the panoramic image.

C7 cont'd

28. (Amended) An electronic photographing device according to claim 27, wherein the identification information is one of a file name shared by all of the panoramic image frames of the panoramic image or a panorama number representing a photographing order of the panoramic image frames in the set of panoramic image frames.

APPENDIX B

VERSION WITH MARKINGS TO SHOW CHANGES MADE
37 C.F.R. § 1.121(b)(iii) AND (c)(ii)

SPECIFICATION:

Title at line 1: [ELECTRONIC PHOTOGRAPHING DEVICE] DIGITAL CAMERA HAVING A FEATURE FOR WARNING A USER OF INSUFFICIENT MEMORY

Paragraph at page 16, line 19:

A calendar signal generation means (CSGM) 36 is connected to the CPU 39 to generate a calendar signal on the basis of a date input by a camera operator, a photographing date data recorded on the recording medium 33, or the present date generated by a timer incorporated in the CPU 39. This calendar signal may be incorporated in the CPU 39.

Paragraph at page 16, line 25 to page 17, line 4:

The character signal generation circuit (CSGC) 37 is connected to the CPU 39 to generate a character signal consisting of fonts such as letters and numbers which are required for display formats such as a calendar. The character signal may be incorporated in the CPU 39.

CLAIMS:

13. (Twice Amended) An electronic photographing device according to claim 23, wherein the identification information is one of a file name shared by all of the images in the [panoramic image] set of panoramic image frames or a panorama number representing a photographing order of the panoramic image frames in the set of [panorama images] panoramic image frames.

14. (Amended) An electronic photographing device, comprising:

a digital camera having a panoramic mode in which a panoramic image can be recorded, wherein the panoramic image includes a number of associated panoramic image frames that together form the panoramic image;

a detachable recording medium for recording image information corresponding to [a plurality of images photographed in panoramic photographing mode] each panoramic image frame in a panoramic image;

predicted number setting means for allowing a user to preset a number of panoramic image frames for forming a panoramic image [setting a predicted number of images to be photographed in panoramic photographing mode];

available recording medium determining means for determining a [remaining] number of [images] panoramic image frames which can be recorded on the detachable recording medium based on an unexposed capacity of [said] the recording medium;

comparison means for comparing the [remaining] number of [images] panoramic image frames which can be recorded as determined by [said] the available recording medium determining means with the [predicted] number of panoramic image frames preset [set] by [said] the predicted number setting means; and

warning means for generating a warning that a spare recording medium is required to complete [photographing] recording the [predicted] number of panoramic [images] image frames, if as a result of comparison by [said] the comparison means, the [remaining] number of [images] panoramic image frames which can be recorded as determined by [said] the available recording medium determining means is smaller than the [predicted] number of [images to be photographed set] panoramic image frames preset by [said] the predicted number setting means.

15. (Amended) An electronic photographing device, comprising:

a digital camera [for photographing in at least] having a panoramic mode in which a panoramic image can be recorded, wherein the panoramic image includes a number of associated panoramic image frames that together form the panoramic image, [said] the digital camera being usable in combination with a detachable recording medium for recording image information corresponding to [an image photographed in panoramic photographing mode] each panoramic image frame in a panoramic image, [said] the digital camera further including:

a calculation element for calculating a remaining number of [images] panoramic image frames which can be recorded on the recording medium based on an entire capacity of

[said] the recording medium and a capacity which has previously been used to obtain a remaining capacity of said recording medium; and

a warning generator for generating a warning when the remaining number of [images] panoramic image frames which can be recorded is not more than a predetermined value.

17. (Amended) An electronic photographing device according to claim 16, wherein the warning indicates that a spare recording medium must be inserted when the remaining number of [images] panoramic image frames which can be recorded is zero.

18. (Amended) An electronic photographing device, comprising:

a digital camera [for photographing in at least] having a panoramic mode in which a panoramic image can be recorded, wherein the panoramic image includes a number of associated panoramic image frames that together form the panoramic image, [said] the digital camera being usable in combination with:

a first detachable recording medium for recording image information corresponding to a first [image] panoramic image frame of a set of [images] panoramic image frames photographed in the panoramic [photographing] mode, and

a second detachable recording medium for recording image information corresponding to a subsequent [image of] panoramic image frame in the set of [images obtained by panoramic photographing] panoramic image frames photographed in the panoramic mode when a capacity of [said] the first recording medium is insufficient to record all of the images of the set of panoramic image [set] frames,

[said] the digital camera including:

a photographing information storage element for storing information relating to photographing conditions of the first [image] panoramic image frame of the set of panoramic image [set] frames; and

a control element for photographing the subsequent [image] panoramic image frame according to the stored information relating to photographing conditions of the first photographed panoramic image; wherein the photographing conditions include at least one of exposure information, AF information and white balance information.

20. (Amended) An electronic photographing device, comprising:

a panoramic photographing apparatus which records panoramic images each composed of a plurality of associated panoramic image frames and image information corresponding to at least a first [image] panoramic image frame of a set of [images] panoramic image frames photographed by panoramic photographing onto a [first] recording medium, and which records image information corresponding to a subsequent [image] panoramic image frame of the set onto [a second] the recording medium [when the capacity of said first recording medium is insufficient to record the entire set of panoramic images, said first and second recording mediums being interchangeably attachable to the panoramic photographing apparatus]; wherein [said] the panoramic photographing apparatus includes:

a photographing information storage element for storing photographing conditions of the first [photographed image] panoramic image frame of the [panoramic image] set of panoramic image frames; and

a control element for photographing the subsequent panoramic image frame according to the stored photographing conditions of the first [photographed] panoramic image frame; wherein the photographing conditions include at least one of photometric information, white balance information, a focusing setting, exposure information, and a rotation direction.

22. (Amended) An electronic photographing device according to claim 20, wherein the [camera] panoramic photographing apparatus further comprises:

a calculation element for calculating a remaining number of [images] panoramic image frames which can be recorded on the [first] recording medium based on an entire capacity of said first recording medium and a capacity which has been used to obtain a remaining capacity of said recording medium; and

a warning generator for generating a warning when the remaining number of [images] panoramic image frames which can be recorded on the [first] recording medium is less than a predetermined number.

23. (Amended) An electronic photographing device according to claim 22, wherein the [camera] panoramic photographing apparatus further comprises:

a predicted number setting element for setting a predicted number of [images] panoramic image frames to be photographed [in the panoramic image set] for a panoramic image; and

a comparing element for determining whether the [first] recording medium is sufficient to photograph all of the predicted [images in the panoramic image set] panoramic image frames by comparing the predicted number with the remaining number calculated by the calculation element,

wherein the predetermined number is the predicted number and the warning indicates that [the] a second recording medium is required to finish photographing all of the [images in] panoramic image frames of the panoramic image [set].

24. (Amended) An electronic photographing device according to claim 23, wherein the panoramic photographing apparatus further includes means for checking whether [said] a second recording medium has [been interchanged for said] replaced the first recording medium prior to photographing [said] a subsequent image according to the stored photographing conditions of the first panoramic image frame.

25. (Amended) An electronic photographing device comprising:

a panoramic photographing apparatus which records panoramic images each composed of a plurality of associated panoramic image frames and image information corresponding to at least a first panoramic image frame of a set of [images] panoramic image frames photographed by panoramic photographing onto a first recording medium, and which records image information corresponding to a subsequent [image] panoramic image frame of the set onto a second recording medium when the capacity of [said] the first recording medium is insufficient to record the entire set of panoramic [images] image frames, [said] the first and second recording mediums being interchangeably attachable to the panoramic photographing apparatus; wherein [said panoramic photographing apparatus includes:

wherein] the image information recorded on [said] the first recording medium and the image information recorded on [said] the second recording medium will include at least one piece of identification information representing the set of panoramic images.

26. (Amended) An electronic photographing device according to claim 25, wherein the identification information is one of a file name shared by all of the [images] panoramic image frames of the [panoramic image] set of panoramic image frames or a panorama number representing a photographing order in the set of panoramic [images] image frames.

27. (Amended) An apparatus for recording [photographic] panoramic images each panoramic image being composed of a plurality of associated panoramic image frames, comprising:

a first recording medium having recorded thereon image information corresponding to at least a first [image of a set of images photographed by panorama photographing] panoramic image frame of a panoramic image; and

a second recording medium having recorded thereon image information corresponding to a subsequent panoramic image frame of the [set of panoramic images] panoramic image when a capacity of [said] the first recording medium is insufficient to record all of the [images in the set] panoramic image frames in the panoramic image;

wherein the image information recorded on [said] the first recording medium and the image information recorded on [said] the second recording medium will include at least one piece of identification information representing the [set of] panoramic [images] image.

28. (Amended) An electronic photographing device according to claim 27, wherein the identification information is one of a file name shared by all of the [images] panoramic image frames of the panoramic image [set] or a panorama number representing a photographing order of the panoramic image frames in the set of panoramic [images] image frames.